

Powder Press

INSIDE:

*CEO Dan Murphy Visits RFAAP
New NAC/SAC Construction to Begin
Energy, Quality and Community Service
Message from the Commander*

Radford Army Ammunition Plant • ATK Energetic Systems • Holiday Edition 2008 • Volume 61 No.2

A Family Affair

Since the initial ground breaking, Radford Army Ammunition Plant's presence has always been a vital part of the local communities. As a major employer in the area and a key supplier to our Nation's Armed Forces, RFAAP in some ways, has become a family tradition. Supporting our soldiers and sailors in all conflicts from World War II through the Global War on Terror, many families and their relatives have worked at "the arsenal" over the years but the Lilly family claims three generations of RFAAP employees. John Lilly was preceded at Radford by his father Oakley and his grandfather Owen Riffe. Owen's great-grandson Leon McCoy (Rocket Maintenance) also works at RFAAP. John began his career at Radford in 1982 as a NG Helper before moving on to his current position in the Training Department. John's father, Oakley started work as a Pipe Fitter Helper in 1940. Oakley also worked at the Powerhouse and as an Electric Shop Helper. Oakley eventually became Supervisor of the Electric Shop before retiring with over 30 years with Hercules. John's grandfather, Owen Riffe, started working at RFAAP in 1944 in the Carpenter Shop then worked filing saws for a rather significant salary (at the time) of \$1.15 per hour. John still works at Radford and is proud that his family has been able to contribute to the defense of our Nation through three generations of proud Americans. We salute the Lilly family and all the dedicated employees of RFAAP for their continuing support of our men and women in uniform.



John Lilly



Owen Riffe



Jim Linkous

Oakley Lilly



CEO **Dan Murphy** Visits RFAAP

ATK CEO Dan Murphy credits employee innovation and quality performance as contributors to the company's success and viability. Murphy shared his views on the corporation's stability, its journey into new markets, and the global economy during his first all-hands meeting at the Radford Army Ammunition Plant (RFAAP) on Oct. 21. While on site, Murphy also visited the Rocket Center.

"The first and most important thing I want to do is to thank everybody for what you do here," said Murphy. "There is a lot of improvement here at Radford. I'm really pleased to see the process improvements in the facility. This is very, very serious work. It is not a hyperbole at all to say that the U.S. cannot get into space or provide for its own security without ATK."



Dan Murphy (on right) visiting Rocket Area.



Silver 5S Level in 4th Rolled Powder

Since March of 2008 the RPD-380 stick finishing line ("Stick Line" located in 4th Rolled Powder) has been actively involved in 5S and PES initiatives. There have been significant improvements in the lines appearance both inside and outside of the production areas. The area has seen an increase in their production efficiency with the implementation of 5S and PES activities. Isiah McClanahan, Stick Lines Chief Operator states, "Since we began the 5S process, it makes my job much easier."

The Stick Line began their 5S efforts in March of 2008 by utilizing a production lot changeover as an opportunity to begin the basics of 5S. Cleaning, painting, and visually identifying places for everything involved in the processes were carried out by supervision and the operators for this 5S kickoff. Unneeded items were sorted and thrown away if not needed. Shadow boards were created for the essential tools.

This helps make sure that any operator could step in at anytime and perform the job at hand with the proper tool.

This is an outstanding achievement being that the Stick Line is the first production area to meet the strict criteria of the 5S Silver Status. The audit was lead by PES members Paul Perry and Martin Slate. Other members included in the audit were Matt Rinehardt



Before



After

continued on page 7



FROM THE COMMANDER

J.R. Drushal
LTC(P), CM
Commanding Officer

I hope everyone had a great summer and are gearing up for the holiday season. Team Radford continues to be just that, a true team of dedicated professionals who know why they are here and do their best to produce the highest quality product, at the right place and right time.

I wanted to take this opportunity to communicate to you exactly what you have and are doing for our Nation's Warfighters. Since WWII, RFAAP has been at the leading edge of providing critical components to our Warfighters. As you will note at the enclosure in General Eisenhower's "Order of the Day" statement issued to the soldiers, sailors, and airmen of the Allied Expeditionary Force on June 6, 1944, he highlights that "our home fronts have given us an overwhelming superiority in weapons and munitions of war". Our ability to produce ammunition products guaranteed victory back then and nothing has changed. For 64 years, RFAAP has supported the joint force ensuring that our troops can dominate any enemy on any battlefield.

Today, the Army is transforming around the Brigade Combat Team (BCT). The BCT is the cornerstone of the Army's combat power and all of you have a critical hand at enabling that combat power. Right now, products that you make constitute 54% of the ammunition used by the BCT. That is a phenomenal statistic that does not go

SUPREME HEADQUARTERS ALLIED EXPEDITIONARY FORCE



Soldiers, Sailors and Airmen of the Allied Expeditionary Force!

You are about to embark upon the Great Crusade, toward which we have striven these many months. The eyes of the world are upon you. The hopes and prayers of liberty-loving people everywhere march with you. In company with our brave Allies and brothers-in-arms on other Fronts, you will bring about the destruction of the German war machine, the elimination of Nazi tyranny over the oppressed peoples of Europe, and security for ourselves in a free world.

Your task will not be an easy one. Your enemy is well trained, well equipped and battle-hardened. He will fight savagely.

But this is the year 1944! Much has happened since the Nazi triumphs of 1940-41. The United Nations have inflicted upon the Germans great defeats, in open battle, man-to-man. Our air offensive has seriously reduced their strength in the air and their capacity to wage war on the ground. Our Home Fronts have given us an overwhelming superiority in weapons and munitions of war, and placed at our disposal great reserves of trained fighting men. The tide has turned! The free men of the world are marching together to Victory!

I have full confidence in your courage, devotion to duty and skill in battle. We will accept nothing less than full Victory!

Good Luck! And let us all beseech the blessing of Almighty God upon this great and noble undertaking.



Dwight D. Eisenhower

unnoticed by our Nation's leaders. All of you personally have a hand in aiding our Warfighters at defeating our Nation's enemies and you should be proud of your achievements. Within the ammunition industrial base, RFAAP is truly the center of gravity.

With that, I want to wish everyone a happy holiday season. Unlike most installations, we continue to produce during the holidays with few exceptions. When you can, take the time to connect with family and friends at every opportunity. Please be safe when traveling and God Bless.



GEN Ann E. Dunwoody, Commanding General, AMC,

toured the Medium Caliber LAP Area while visiting RFAAP in August 26, 2008.

She is the first woman four-star general in the United States Army.

New NAC/SAC Construction to Begin Soon



Modernization efforts at RFAAP are about to shift to high gear! The contract to complete the design efforts and construct the new NAC/SAC was signed on 14 August 2008 and we are nearing the actual start of visible, no kidding, construction efforts. The location of the new NAC/SAC will be on Fire Station and Gate 2 Street, just to the East of the Acid Tank Farm which supports the current NAC/SAC. The Ground Breaking Ceremony will happen on 4 December and shortly thereafter the construction contractor, SNC-Lavalin out of Toronto, Canada, will begin clearing the site and preparing to lay the foundation for the new plant.

The current NAC/SAC was built in 1978 and is 30 years old. Its useful design life was intended to be 20 years and we will have operated it for 32 years when the new NAC/SAC is commissioned in June 2010. It has served RFAAP well over the years, but as with most infrastructure and especially infrastructure dealing with strong acids, over time it becomes less efficient, less reliable, costs more to maintain and at some point will not be repairable. The new NAC/SAC must be on line before that happens.

The construction firm, SNC-Lavalin, is a world-class company and they have teamed with Plinke of Bad Homberg, Germany. Plinke is the leading designer of acid plants and have built over 100 NAC/SAC's throughout the world. The design/build team competed for this contract and was selected as the winner by the Government/ATK Integrated Product Team (IPT).

The new NAC/SAC will need an upgraded acid tank farm to fully utilize its new and more efficient technology. The ATK Modernization Team is currently working with the government to contract for those upgrades so they will be ready when the new NAC/SAC comes on line. Additionally, repairs are planned starting next year for the Ammonia Oxidation Plant (AOP) to increase its efficiency and reliability. The AOP supplies weak nitric acid to the NAC/SAC to produce the strong nitric acid that is used in the production of nitrocellulose, nitroglycerine, and TNT.

The NAC/SAC project has taken over two years to get to the point of beginning construction. This time has been spent writing requirements documents, soliciting contractors, preparing initial designs, and working through the selection process to hire our world class design/build team to build the new plant. It has been a long process but it is finally about to show visible results and the new NAC/SAC will keep production of RFAAP's products viable and supporting the Warfighter for many years to come.



NAC/SAC Groundbreaking ceremony December 4, 2008



Tim Lawson (left) receives a Thanksgiving turkey from Kent Holiday (right).

Thanksgiving Turkeys

Approx. 50 leftover turkeys given to *Our Daily Bread* (food bank in Pulaski).

1500+ turkeys total!

COMMUNITIES SERVICE FUND

Thanks to the generosity of people like you, as of September of this year, the Communities Service Fund has contributed \$3,420 to various organizations in the surrounding areas. Below you will find a sampling of the letters from some of the organizations this Fund supports thanking you who gave.

“Thank you so much for your donation to the Elf Shelf. Your donation is very much appreciated & will help in meeting the needs for 2008. Last year we distributed gifts to 358 children and SHARE food boxes to 188 families.” – *The Radford Elf Shelf*

“The Fairlawn Fire Department would like to express our gratitude to the employees of the Radford Army Ammunition Plant for their generous donation. Donations such as this help purchase new and replace outdated equipment.” – *Fairlawn Fire Department*

“We are very grateful for your support and your compassion for those who are experiencing tough times ourselves; it is nice to know our neighbors are there when we need them. Your gift of \$275 will help us process and distribute the thousands of pounds of venison we will receive this year. Please pass along our sincere thanks to everyone who made this donation possible.” – *Hunters for the Hungry*

“I would like to thank you for your company’s generous financial contribution will make an impact on our Clubs! Today’s young people are tomorrow’s leaders. Your support will help the young people of your community become productive, caring, responsible citizens. Thank you for your generous gift to help our Clubs.” – *Boys & Girls Clubs of the New River Valley*

“On behalf of our board of directors, staff and volunteer tutors, our sincere thanks for your generous donations. Your contribution pays for instructional support for our volunteer tutors in order to ensure their students can meet their personal literacy goals, as well as increase an educational functioning level.” – *Literacy Volunteers of the New River Valley*

“The Officers and Members of the Newbern Volunteer Fire Dept. gratefully acknowledge your recent contribution and thank you for your continued support.” – *Newbern Volunteer Fire Department*

2008 Board of Directors

President: Michael Lee (8596); Treasurer: Donna (D.J.) Ornes (7446); Secretary: Linda Dickerson (7252), Kaye Bland (8504), Rosal Davis (8753)

Please consider becoming a new contributor and a part of this great organization. Below is an application for automatic withdrawal for contributions to the Communities Services Fund. Simply complete the form below and return it to the Communities Services Board. Fill out the form below to begin your part in helping your community.

COMMUNITIES SERVICE AUTHORIZATION FORM

Employee Name: _____
(Print) Last First MI

ATK# _____ Payroll # _____ Check if NRE Employee _____

Check One: Wage Payroll (260/261) Salary Payroll (250/251) Deduction Code: COMSER

Total Contributions to be deducted from your check (per pay period): \$ _____

Employee Signature: _____ Date: _____

REMEMBER TO SUBMIT APPLICATIONS TO THE COMMUNITIES SERVICE BOARD FOR CHARITABLE OR NON-PROFIT ORGANIZATIONS WITHIN YOUR COMMUNITY. IF YOU SHOULD NEED A REPLACEMENT FORM, CONTACT ONE OF THE BOARD MEMBERS LISTED ABOVE.

“Thank You for Giving to Those in Need”

Energy awareness

places emphasis on energy consumption

and possible ways to conserve energy and extend the resources for future needs. At Radford Army Ammunition Plant, reducing the demand for energy continues to be a focus everyday to meet the Army's goal of reducing energy consumption by 3% per year through 2012 by examining all areas as candidates to reduce energy consumption.

Recent funded efforts to reduce steam losses in the distribution system and implementation of a better energy management plan were recognized with Radford's Energy Team winning a Secretary of The Army Energy and Water Management Award for Energy Efficiency /Energy Management. About 4,700 steam distribution system repairs have been completed to date. Future avenues to explore include wind energy, bio-fuel capability, and possible efficiency gains in the coal fired power house. Strategies are being formulated to tackle the rising cost and usage of energy at all installations.

The Army Energy Strategy for installations consists of five principles which include:

- Elimination of energy inefficiencies in existing facilities
- Gain of energy efficiencies in repairs and modernization
- Reduction of dependence on fossil fuels via various routes
- Conservation of water through reduction of demand
- Implementation of energy security measures to assure reliability

Over the next year, the plant energy team will be working to implement efforts that supplement the strategies. A successful energy management program involves more than just the engineers and planners. It involves everyone making an effort to recognize energy waste and offering ideas of conservation. Simple practices such as turning off lighting, computers, printers, and other appliances when not in use help reduce the energy bill. Finding, reporting and eliminating wasteful water consumption also helps the plant meet energy goals. Let's go forward in 2009 to make Radford a more energy efficient facility and meet the Army Energy Strategy for the future.



I want to thank you and your company for the continued support for the Smith Mountain Lake Charity Home Tour. The public service announcement spots that you prepare are a key marketing component for the home tour and have resulted in increased attendance.

In the last 17 years, we have contributed over \$3.5 million to regional charities. Please convey to the appropriate managers of your company our sincere appreciation for their community support. We also thank you individually for your time, professionalism, and excellent work in preparing the public service announcements. It is obvious that your employer values a "quality product" and hires "quality people" to do the work!

Sincerely,

Jo-Ann Van Vechten

Board of Directors, Public Relations Administrator
Smith Mountain Lake Charity Home Tour

The Quality Assurance Division

of the ACO Staff at RFAAP recently teamed with ATK personnel to evaluate the processes in the Solvents Production Center in an effort to reduce the possibility of contamination in the finished propellants delivered to the customer. The effort was the result of ATK's response to customer concerns voiced over the past year that foreign material and mixed propellant may end up in the charges fired by the warfighter. ATK top management gave the direction to reduce the possibility of this occurring and a team of experts was formed to improve on the existing technology at RFAAP. The team is currently working under the guidance of Christian Critterton, a Master Black Belt, with years of experience in the field of improving processes and eliminating waste. He has vast expertise at his disposal, through the valued inputs from Barry O'Neil and Dean Long, who have nearly sixty years of combined experience in propellant manufacture. On top of this, he is given sound recommendations from the engineering staff in the Solvents Production Center and the Perspective of the customer from Matt Belue and Shawn Jack, ACO Quality Assurance Specialists invited to provide input on the project. So far, the team has developed numerous plans for improvement to the propellant manufacturing process, several of which have already been implemented, greatly reducing incidents of contamination and co-mingling of propellants. There is a lot of work ahead for the team, but it seems that ATK, the American Warfighter, and Team Radford will benefit from their efforts.

Congratulations

to ATK Employees reaching years of service milestones.

YEARS OF SERVICE			YEARS OF SERVICE		
Kinzer, Henry B	43	Sept 08	Simmons, Jacqueline L	25	Aug 08
Smith, Ethel C	43	Oct 08	Stuart, Carlie P	25	Aug 08
Bond, Reif A	43	Nov 08	Alexander, Lansing R	25	Sept 08
Smith, Calvin B	42	Oct 08	Jordan, Richard M	25	Sept 08
Snider, Charles Wayne	42	Nov 08	Martin, David J	25	Sept 08
Duncan, Billy G	42	Dec 08	Miller, Russell L	25	Sept 08
Gilmore, Guy A	42	Dec 08	Pollock, Donald R	25	Sept 08
Spiker, Russell L	41	July 08	Covey, Earl J	25	Oct 08
Gardner, Cleve T	41	Oct 08	Goudy, Ricky L	25	Oct 08
Montgomery, Bobby E	41	Nov 08	Harless, Paul D	25	Oct 08
Dowell, Thomas S	40	Sept 08	Manns III, James G	25	Oct 08
Ramsey, Linda S	40	Sept 08	Quesenberry, Charles R	25	Oct 08
Dickerson, Leslie B	40	Dec 08	Spicer, Randy J	25	Oct 08
Nunley, Trafford D	40	Jan 09	Westmoreland, James M	25	Oct 08
Simpkins, Marie D	35	Dec 08	Vanhoozer, James R	25	Nov 08
Kinder, Douglas K	30	Aug 08	Abel, Roger M	25	Dec 08
Jones, Fredric N	30	Sept 08	Gerald, Larry W	25	Dec 08
Nunley, Ruth C	30	Sept 08	Forsythe, Richard D	25	Jan 09
Parrish, Charles A	30	Sept 08	Holiday, Kent D	25	Jan 09
Wheaton, Mark K	30	Sept 08	Zisette, Charles B	25	Jan 09
Alderman, Mitchell L	30	Oct 08	Shephard, Joey L	20	July 08
Ward, Phillip M	30	Oct 08	Stauffer, Dean L	20	July 08
Tickle, Tony R	30	Nov 08	Greer, David L	20	Aug 08
Daugherty, James E	30	Jan 09	Shrader, Julia E	20	Sept 08
Lane, Ronnie L	30	Jan 09	Albert, Erma Y	20	Nov 08
McNeill, Michael D	30	Jan 09	Taylor, James C	20	Nov 08
Doyle, Phillip C	25	July 08	Wade, David G	20	Nov 08
Gonzalez, Evaristo	25	July 08	Thompson, Carrie L	20	Dec 08
Rash, Thomas C	25	July 08	Yancey, Charlene G	20	Dec 08
Winslow, Nancy A	25	July 08	Swain, Bradford S	15	July 08
Adams, Myra N	25	Aug 08	Hurley, David M	15	Sept 08
Blankenship, Jeffrey C	25	Aug 08	Elliott, James A	15	Oct 08
King-Harris, Rebecca L	25	Aug 08	Collins, Jerry L	15	Nov 08
Sheppard, Victor A	25	Aug 08	Merrix, Leona R	15	Jan 09

continued from page 2

(Operations Manager), John Edwards (Operations Supervisor) and Isiah McClanahan (Chief Operator). Carol Marple from ATK-AW also assessed the area. Carol is a Propellant Engineering Technician that has had the opportunity to see the forward progress that the stick line

has made over the past seven months. All of the Stick Line operators and supervisors are commended for their outstanding efforts in maintaining the previous 5S levels and continually moving forward towards Gold in March 2009.

READY ARMY launches at Radford Army Ammunition Plant

Installation – RFAAP announced the local launch of the Ready Army campaign, an emergency preparedness and awareness program aimed at Army Soldiers, their Families, Army Civilians and Contractors to prepare them for all hazards, man-made or natural, and encourage them to—*Get a kit. Make a plan. Be informed.*

The Army-wide campaign, developed by Headquarters Department of the Army, Army Emergency Management, expands upon the national *Ready* campaign from the U.S. Department of Homeland Security and the Ad Council. Official kickoff of the Army-wide campaign took place in September 2008 during National Preparedness Month.

“The increased threat of terrorist use of weapons of mass destruction and naturally occurring crises and disasters demonstrate the need for comprehensive preparedness efforts in advance of any emergency” said Ken Mahoney, Supervisor, ACO Risk Management Team. “Readiness begins with awareness. All citizens, not just soldiers, need to be well-informed and prepared for emergencies.”

Ready Army offers emergency preparedness fact sheets, family emergency plan guides, emergency kit checklists, parent/teacher guides and kids’ material, posters, interactive briefings, public service announcements and brochures.

Ready Army activities planned for RFAAP will include distribution of calendars, booklets and support to local ROTC and recruiting commands in addition to the operating contractor ATK.

“In the Army we take care of each other. Instituting emergency preparedness and education programs like Ready Army helps prepare the entire Army community for all hazards and a prepared community aids recovery.” Mahoney said.

Ready Army is an Army-wide campaign developed by the Headquarters Department of the Army, Army Emergency Management Program. It expands upon the national Ready campaign from the U.S. Department of Homeland Security and the Ad Council to provide targeted information to support the unique needs of our Army community stationed around the world. The campaign seeks to inform the Army community of all hazards, manmade and natural, and encourages Soldiers, their Families, Civilians and contractors to—Get a kit. Make a plan. Be informed.

ARMAMENT SYSTEMS NEWS



Watch the newest edition at: <http://asgweb.atk.com/report.asp>

In this edition of AS News, Mark DeYoung, President of ATK Armament Systems, wraps up the second quarter of AFY-09 and looks forward to the last half of the year. Mark also highlights the programs and products showcased at AUSA 2008. Carl Willis, Vice President of Human Resources for Armament Systems, highlights the new leadership transition training and also improved efforts to enhance recruiting. Medium Caliber Systems employee Ritch Phillips is featured in this edition of Ask Mark.



POWDER PRESS Volume 61, No. 2

Contributors:

LTC(P), CM Jon R. Drushal
Mark Matusevich
Jed Sheehan
Steve Kienzle
Joy Case
Lisa Epperly
Lesia Byrd
Shana Morehead
Michael Lee
John Edwards
Johnny Yu
Nancy Whitley
Ron Rossi
Ken Mahoney
Randolph Evans
Matt Belue



Editor/ Photography
Communications Manager
Gerry McCarthy

Associate Editor/
Photography
Alicia Cooke

Assistant Editor/
Photography
Forrest Leith

Graphic Designer/
Photography
Tim Pfeiffer